Appendix 1: Search strategy

AMED (EBSCO host)

S29  S5 AND S14 AND S22 AND S30
S30  S23 S24 OR S25 OR S26 S27 OR S28 OR S29
S29  Step count”
S28  Time spent walking”
S27  Claudication distance”
S26  Walking ability”
S25  (MH “Quality of Life”) OR “quality of life”
S24  Exercise”
S23  (MH “Physical Activity”) OR “Physical activity”
S22  S15 OR 16 OR S17 OR S18 OR S19 OR S20 OR S21
S21  Drug therapy”
S20  Other interventions”
S19  Medical Interventions”
S18  Usual therapies”
S17  Usual care”
S16  Placebo controlled”
S15  Placebo control”
S14  S6 OR S7 OR S8 OR S10 OR S11 OR S12 OR S13
S13  Lifestyle interventions”
S12  (MH “Lifestyle changes)
S11  Lifestyle education”
S10  Arteriosclerosis education”
S9  Peripheral vascular disease education”
S8  Exercise education”
S7 (MH “Health Promotion”)
S6 (MH “Patient education”) OR (MH “Health Education”)
S5 S1 OR S2 OR S3 OR S4
S4 Claudicants”
S3 (MH “Arterial occlusive diseases”)
S2 (MH “Peripheral vascular diseases”)
S1 (MH “Intermittent claudication”)

("intermittent claudication" OR "claudicants") AND ("Patient education OR Health education” OR “Lifestyle education” OR “education of patients”) AND ("physical activity” OR "walking" OR "physical activity capacity" OR "walking capacity") OR ("walking distance" OR "claudication distance" OR "time spent walking")

CINAHL
S30 S5 AND S14 AND S22 AND S29
S29 S23 S24 OR S25 OR S26 S27 ORS28
S28 Time spent walking”
S27 Claudication distance”
S26 Walking ability”
S25 (MH “Quality of Life”) OR “quality of life”
S24 Exercise”
S23 (MH “Physical Activity”) OR “Physical activity”)
S22 S15 OR 16 OR S17 OR S18 OR S19 OR S20 ORS21
S21 Drug therapy”
S20 Other interventions”
S19 Medical Interventions”
S18 Usual therapies”
S17 Usual care”
S16 Placebo controlled”
S15 Placebo control”
S14 S6 OR S7 OR S8 OR S10 OR S11 OR S12 OR S13
S13 Lifestyle interventions”
S12 (MH “Lifestyle changes)
S11 Lifestyle education”
S10 Arteriosclerosis education”
S9 Peripheral vascular disease education”
S8 Exercise education”
S7 (MH “Health Promotion”)
S6 (MH “Patient education”) OR (MH “Health Education”)
S5 S1 OR S2 OR S3 OR S4
S4 Claudicants”
S3 (MH “Arterial occlusive diseases”)
S2 (MH “Peripheral vascular diseases”)
S1 (MH “Intermittent cludication”)

MEDLINE(ProQuest host)
S30 S5 AND S14 AND S22 AND S29
S29 S23 S24 OR S25 OR S26 OR S27 OR S28
S28 Time spent walking”
S27 Claudication distance”
S26 Walking ability”
S25 (MH “Quality of Life”) OR “quality of life”
S24 Exercise”
S23 (MH “Physical Activity”) OR “Physical activity”)
S22 S15 OR 16 OR S17 OR S18 OR S19 OR S20 OR S21
S21 Drug therapy”
S20 Other interventions”
S19 Medical Interventions”
S18 Usual therapies”
S17 Usual care”
S16 Placebo controlled”
S15 Placebo control”
S14 S6 OR S7 OR S8 OR S10 OR S11 OR S12 OR S13
S13 Lifestyle interventions”
S12 (MH “Lifestyle changes)
S11 Lifestyle education”
S10 Arteriosclerosis education”
S9 Peripheral vascular disease education”
S8 Exercise education”
S7 (MH “Health Promotion”)
S6 (MH “Patient education”) OR (MH “Health Education”)
S5 S1 OR S2 OR S3 OR S4
S4 Claudicants”
S3 (MH “Arterial occlusive diseases”)
S2 (MH “Peripheral vascular diseases”)
S1 (MH “Intermittent cludication”)
Cochrane Library of control trials
#1 patient education: ti, ab,kw in Trials(Word variations has been searched)

#2 lifestyle education

#3 health promotion

#4 #1 or #2 or #3

#5 intermittent claudication

#6 claudicants

#7 peripheral vascular diseases

#8 peripheral arterial diseases

#9 ischemic leg diseases

#10 #5 or #6 or #7 or #8 or #9

#11 physical activity

#12 walking capacity

#13 walking distance

#14 Physical activity capacity

#15 step count

#16 #11 or #12 or #13 or #14 or #15

#17 #4 and #10 and #16

ProQuest
(patient education OR education of patients) OR (education of patients OR health education) OR (lifestyle education OR health and promotion) OR (peripheral arterial disease education OR peripheral vascular diseases education) AND (peripheral arterial occlusion OR peripheral artery occlusive diseases) OR (intermittent claudication OR peripheral arterial disease) OR (vascular claudication OR peripheral vascular diseases)OR (claudicants) AND (control OR control group) OR (usual care OR medical intervention) AND (physical activity OR walking distance OR Claudication distance OR step counts)

ISI Web of Science

1. (Intermittent claudication* or claudicants or peripheral arterial occlusion* or peripheral arterial disease* or peripheral vascular claudication*)
2. (patient education* behavio$r change* or intervention* or behavio$r change* or trial* or effect* or efficacy* or effectiveness* or lifestyle education* or lifestyle education* peripheral arterial disease education* health promotion education* education of patients* peripheral vascular disease education* health education*)

3. (control group* or medical intervention* or other intervention* or usual care*)

4. (physical activity* claudication distance* or physical activity capacity* or walking ability* or walking distance or step counts)

5. #1 AND #2 AND #3 AND #4(Intervention studies)

6. #1 AND #2 AND #3 AND #4(Qualitative studies)

7. #1 AND #2 AND #3 AND #4(Observational studies)

EMBASE (OvidSP)

1. (Intermittent claudication* or claudicants or peripheral arterial occlusion* or peripheral arterial disease* or peripheral vascular claudication*).mp.

2. (patient education* behavio$r change* or intervention* or behavio$r change* or trial* or effect* or efficacy* or effectiveness* or lifestyle education* or lifestyle education* peripheral arterial disease education* health promotion education* education of patients* peripheral vascular disease education* health education*).mp.

3. (control group* or medical intervention* or other intervention* or usual care*).mp.

4. (physical activity* claudication distance* or physical activity capacity* or walking ability* or walking distance or step count*).mp.

5. #1 AND #2 AND #3 AND #4(Intervention studies)

6. #1 AND #2 AND #3 AND #4(Qualitative studies)

7. #1 AND #2 AND #3 AND #4(Observational studies)

PEDro database

1. Intermittent claudication* patient education* physical activity

2. Ischemic leg pain* patient education* physical activity*

3. Intermittent claudication* patient education* walk performance*

4. Ischemic lower extremity pain* education of patient* walk performance
5. Claudicants* patient education* step count*

Ovid MEDLINE(R) 1946- November 2015

(intermittent claudication* or claudicants or ischemic leg pain* or ischemic lower extremity* pain*) and patient education*) or education of patient* or physical activity education* and physical activity*) or walking ability* or walking distance* claudication distance* or walking* or step count*).mp.